SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-PCSK2/Proprotein Convertase 2 antibody

Catalog Number: SL11533R

FOR RESEARCH USE ONLY

[DATASHEET]

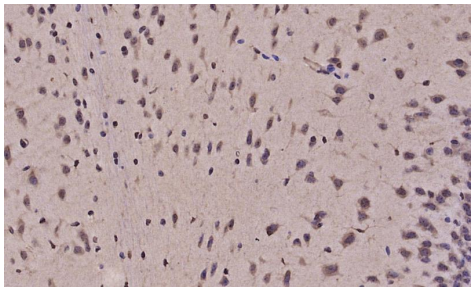
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	PCSK2/Proprotein Convertase 2
Immunogen:	KLH conjugated synthetic peptide derived from human Proprotein Convertase 2: 201-300/638
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Cow,Sheep)
Predicted MW.:	58kDa
Subcellular Location:	cytoplasmic
Background:	This gene encodes a member of the subtilisin-like proprotein convertase family. These enzymes process latent precursor proteins into their biologically active products. The encoded protein plays a critical role in hormone biosynthesis by processing a variety of prohormones including proinsulin, proopiomelanocortin and proluteinizing-hormone-releasing hormone. Single nucleotide polymorphisms in this gene may increase susceptibility to myocardial infarction and type 2 diabetes. This gene may also play a role in tumor development and progression. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2011]. **Function:** Involved in the processing of hormone and other protein precursors

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

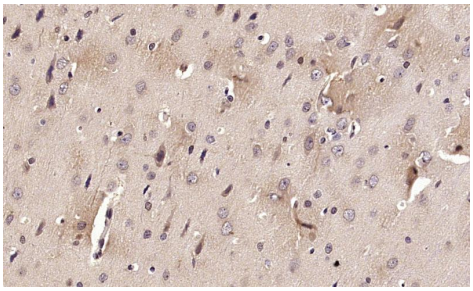
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	at sites comprised of pairs of basic amino acid residues. **Subcellular Location:** Cytoplasmic vesicle, secretory vesicle. Note=Localized in the secretion granules. **Similarity:** Belongs to the peptidase S8 family. Furin subfamily. **Database links:** **Entrez Gene:** 5126 Human **Entrez Gene:** 18549 Mouse Omim: 162151 Human **SwissProt:** P16519 Human **SwissProt:** P21661 Mouse **Unigene:** 315186 Human **Unigene:** 294493 Mouse **Unigene:** 447466 Mouse

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (PCSK2/Proprotein Convertase 2) Polyclonal Antibody, Unconjugated (SL11533R) at 1:400 overnight at 4℃, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (PCSK2/Proprotein Convertase 2) Polyclonal Antibody, Unconjugated (SL11533R) at 1:400 overnight at 4℃, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.

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